PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE HONORABLE BOARD OF PATENT APPEALS AND INTERFERENCES

In re the Application of

Randall R. Hube, et al.

Confirmation No.: 8136

Application No.: 10/005,582

Examiner: POPOVICI, Dov

Filed: October 26, 2001

Docket No.: A0613-US-NP
XERZ 2 01060

Title: JOB SUBMISSION SYSTEM AND METHOD FOR CONTROLLING MULTIPLE JOB RENDERINGS WITH A SINGLE MASTER OR "SUPER" TICKET

BRIEF ON APPEAL

Appeal from Group 2625

Patrick R. Roche, Esq., Reg. No. 29,580
FAY SHARPE LLP
1100 Superior Avenue – Seventh Floor
Cleveland, Ohio 44114-2579
Telephone: (216) 861-5582
Attorneys for Appellants

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence (and any item referred to herein as being attached or enclosed) is (are) being transmitted to the USPTO by electronic transmission via the EFS Web on the date indicated below.

April 16 2008
Date

Cathryn Terchek
Name: Cathryn Terchek

TABLE OF CONTENTS

This Appeal Brief is in furtherance to the Notice of Appeal regarding the above-referenced patent application that was electronically filed in the U.S. Patent and Trademark Office on November 16, 2007.

The fees required under 37 C.F.R.§1.17 and any required petition for extension of time for filing this brief and fees therefor are addressed in the accompanying transmittal of Appeal Brief.

Appellant files this Appeal Brief in connection with the above-identified application wherein claims 1-14, 22-25 and 27 were finally rejected in the Final Office Action that was mailed May 16, 2007.

I. REAL PARTY IN INTEREST

The real party in interest for this appeal and the present application is Xerox Corporation (Xerox Square – 20A, Rochester, New York 14644), by way of an Assignment recorded in the U.S. Patent and Trademark Office at Reel 012358, Frame 0367.

II. RELATED APPEALS AND INTERFERENCES

Currently, it is believed that there are no prior or pending appeals, interferences or judicial proceedings, known to Appellant, Appellant's representative, or the Assignee, that may be related to, or which will directly affect or be directly affected by or have a bearing upon the Board's decision in the pending appeal.

III. STATUS OF CLAIMS

The status of the claims set forth in the Final Office Action mailed May 16, 2007 was, and is, as follows:

Claims 1-14, 22-25 and 27 are rejected.

Claims 15-21 and 26 are canceled.

The present appeal is directed specifically to claims 1-14, 22-25 and 27.

IV. STATUS OF AMENDMENTS

An Amendment After Final Rejection was filed on October 31, 2007. By an Advisory Action dated December 4, 2007, it was indicated that the requested amendments were not entered.

V. SUMMARY OF CLAIMED SUBJECT MATTER

The present application is directed toward methods and systems for processing print jobs comprised of multiple renderings of the same image data more efficiently than is taught in the prior art. It is common that an individual form of image data, e.g., a presentation, is desired to be printed in alternative forms, on alternative media. With reference to Figure 1, it can be seen that one generic job can be formatted in four different renderings, i.e., handouts, slides, note sets, proof sets. In a most inefficient scenario, the user would separately program the printing system for each particular rendering and the printing system would sequentially process the jobs individually and independently. In the example of Figure 1, wherein handouts, slides and a note set are desired, each rendering has its own "job ticket" (defined at page 3, lines 3-13). The different renderings per se require different processings due to different attributes of the renderings respectively, not only due to different media for receiving the image data, but also due to alternative processings required for the image data for the renderings.

For example, independent claim 1 recites in a document processing system (e.g., Fig. 5, 2; Fig. 6; Fig. 8) with at least one document processing subsystem where a job, including a set of images represented by a set of image data, is processed multiple times and in multiple renderings, in response to input (e.g., Fig. 7, 62) provided by a user, to obtain first and second job processing events of the job corresponding to the first and second renderings, respectively, a method comprising:

programming (Fig. 2, 202, 204; paragraph 75) a first job control ticket (e.g., Fig. 7, 150; Fig. 1, Handout, slides, note set or proof set; paragraphs 60, 61, 67,

68, 71) with a first set of attributes, the first job control ticket controlling a manner in which the job is to be processed in the first job processing event;

programming a second job control ticket (Fig. 1, e.g., Slides, Note Set Proof Set or Handouts; paragraphs 78; Fig. 2, 218, 220, 206) with a second set of attributes, the second job control ticket controlling a manner in which the job is to be processed in the second job processing event; linking a master job control ticket (paragraphs 67, 71, 75, 78, 92, 97) with user selectable global attributes (e.g., Fig. 1, Instructions) and user selectable individual ticket attributes (e.g., Fig. 1, QTY) to the first and second job control tickets wherein the global attributes comprise first properties of the first and second job control tickets and the individual attributes comprise second properties of a selected individual one of the first and second job control tickets and wherein the first and second job processing events are based on the same set of image data;

linking (e.g., Fig. 3, 228; Fig. 2, 206; paragraphs 76, 98, 99) the master job control ticket (e.g., paragraphs 46, 67, 71, 75, 78, 79) with the first and second job control tickets and the set of images (e.g., paragraphs 38, 41, 42) so that, with one submission of the job to the document processing subsystem, the job is processed (e.g., Fig. 4, 266, 268, 270; paragraphs 43, 91, 98, 99) in the first job processing event with the first job control ticket and in the second job processing event with the second job control ticket so that the same job data is applied to the first and second job processing events, wherein the job need not be submitted multiple times to the document processing subsystem to accommodate the multiple renderings (e.g., Fig. 4, 270).

Independent claim 22 recites in a document processing system (e.g., Fig. 5, 2; Fig. 6, 6, 7, 8; Fig. 8, 170) with at least one document processing subsystem (e.g., paragraphs 38, 41, 42, 43, 88, 91, 92, 98, 99) where a job, including a set of images represented by a set of image data, is processed multiple times and in multiple renderings, in response to input (e.g., paragraph 38) provided by a user (e.g., Fig. 6, 52; paragraphs 30, 44, 45, 52, 57, 68, 72, 75, 88, 92), to obtain first and second job processing events of the job corresponding to first and second ones of the multiple renderings, a job ticket control system comprising:

a first job control ticket (e.g., Fig. 1, Handouts, Slides, Note Set or Proof Set; paragraphs 39, 98, 99) with a first set of attributes (e.g., Fig. 1, Duplex, Staple, Media, Color), the first job control ticket controlling a manner in which the job is to be processed in the first job processing event;

a second job control ticket (e.g., Fig. 1, Slides, Note Set, Proof Set or Handouts; paragraphs 40, 41, 98, 99) with a second set of attributes (e.g. Fig. 1, Duplex, Staple, Media, Color), the second job control ticket controlling a manner in which the job is to be processed in the second job processing event;

a master job control ticket (e.g., Fig. 1, My Presentation; paragraphs 44, 45, 92, 98, 99) with user selectable global attributes (e.g., Fig. 1, Instruction) and user selectable individual ticket attributes (e.g., Fig. 1, QTY) within the master job control ticket for multiple alternative renderings of the same set of image data (e.g., Fig. 1, Page Image Data), wherein the global attributes are linked to the first and second job control tickets for affecting global properties of the first and second job control tickets

and individual attributes are linked for affecting individual properties of a selected individual one of the tickets;

the master job control ticket, the first job control ticket, and second job control ticket being linked (e.g., Fig. 4, 258), with the set of images; and

wherein, in response to a single submission of the job to the document processing subsystem, the job is processed (e.g., Fig. 4, 266, 268, 270) in the first job processing event with the first job control ticket and in the second job processing event with the second job control ticket based on the same set of image data, wherein the job need not be submitted multiple times to the document processing subsystem to accommodate the multiple renderings.

Dependent claim 2 recites the method of claim 1, further comprising linking the first and second job control tickets with a master job ticket including first and second user selectable portions (e.g., paragraphs 44, 45; Fig. 1, Check Boxes; paragraph 92) corresponding respectively with the first and second job control tickets, wherein each first and second user selectable portions is selected to cause the job to be processed in the first job processing event with the first job control ticket and in the second job processing event with the second job control ticket.

Dependent claim 3 recites the method of claim 2, further comprising providing the master ticket (e.g., Fig. 1, My Presentation) with a third user selectable portion (e.g., Fig. 1, My Presentation, Note Set), the third user selectable portion corresponding with an instruction (e.g. Fig. 1, QTY), wherein when the user selects the third user selectable portion an operation is performed globally in each first and second job processing events.

Dependent claim 4 recites the method of claim 1, in which a third job control ticket (paragraph 83, e.g., Fig. 1, Note Set, Proof Set, Handouts or Slides)controlling a manner in which the job is to be processed in a third job processing event is programmed and the third job control ticket is referenced to the set of images, further comprising linking the first, second and third job control tickets with a master job control ticket including first, second and third user selectable portions (e.g., paragraphs 44, 45, 92,; Fig. 1, Check Boxes) corresponding respectively with the first, second and third job control tickets, wherein one or more of the first, second and third user selectable portions are selected to cause the job to be processed in one or more of the first job processing event with the first job control ticket, the second job processing event with the second job control ticket and the third job processing event with the third job control ticket.

Dependent claim 5 recites the method of claim 1, further comprising editing (e.g., paragraph 80; Fig. 3) at least one of the first and second job control tickets.

Dependent claim 6 recites the method of claim 5, wherein said editing includes leaving the master job control ticket unaltered (e.g., Fig. 3, 226-No, 244-No, 252-No).

Dependent claim 7 recites the method of claim 5, wherein said editing includes changing one or both of the first and second sets of attributes (e.g., Fig. 3, 252).

Dependent claim 8 recites the method of claim 5, wherein said editing includes deleting (e.g., Fig. 3, 244) both the first job control ticket and first user selectable portion.

Dependent claim 9 recites the method of claim 1, wherein said method includes generating a first output by producing (e.g., Fig. 4, 270) prints of the set of images in the

first job processing event and generating a second output by producing prints of the set of images in the second job processing event.

Dependent claim 10 recites the method of claim 1, wherein said method includes generating a first output by producing (e.g., Fig. 4, 270) prints of the set of images in the first job processing event and generating a second output by producing prints of the set of images in the second job processing event.

Dependent claim 11 recites the method of claim 1, wherein said method includes performing a first set of make-ready operations on a copy of the set of images in the first job processing event and performing a second set of make-ready operations on a copy of the set of images in the second job processing event (paragraph 95).

Dependent claim 12 recites the method of claim 1, further comprising configuring the first and second job control tickets so that the first set of attributes includes at least one attribute corresponding with a first type of offline finishing and/or the second set of attributes includes at least one attribute corresponding with a second type of offline finishing (paragraph 57).

Dependent claim 13 recites the method of claim 12, further comprising creating a hardcopy sheet including representations of one or both of the at least one attribute corresponding with the first type of offline finishing and the at least one attribute corresponding with the second type of offline finishing (paragraph 57).

Dependent claim 14 recites the method of claim 1, further comprising linking the first and second job control tickets with a master job ticket including first and second selectable portions (e.g., paragraphs 44, 45; Fig. 1, Check Boxes; paragraph 92) corresponding respectively with the first and second job control tickets, wherein the first

selectable portion is selected, and the second selectable portion is not selected, wherein the job is processed in accordance with the first job control ticket, but not in accordance with the second job control ticket.

Dependent claim 23 recites the job ticket control system of claim 22, wherein the document processing system includes a printing subsystem.

Dependent claim 24 recites the job ticket control system of claim 23, wherein said printing subsystem includes a xerographic printing device.

Dependent claim 25 recites the method of claim 1, wherein the master job control controls other master job control tickets and individual job control tickets, and wherein the lower level master job control tickets may include individual job control tickets and master job control tickets.

Independent claim 27 recites the method of claim 1, wherein the master job control controls other master job control tickets and individual job control tickets, and wherein the lower level master job control tickets may include individual job control tickets and master job control tickets.

VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

The following grounds of rejection are presented for review:

Whether claims 1-14, 22-24 and 27 are unpatentable for failing to describe nonobvious subject matter under 35 U.S.C. §103(a) over U.S. Patent No. 6,509, 974 to Hansen ("Hansen") in view of U.S. patent application Publication No. 2003/0103237 to Han ("Han"). (The statement in the final rejection of May 16, 2007 at page 6 that the obviousness rejection is over Tonkin in view of Hansen is believed to be a typographical error).

(Regarding the Double Patenting Rejection, Applicant will overcome this rejection with a filing of a Terminal Disclaimer.)

VII. ARGUMENT

It is respectfully submitted that the references, either individually or in combination, do not teach or suggest methods or systems comprising a single submission of a job comprising a multiple processings of alternative renderings as first and second job events wherein the same job data is applied to the first and second job processing events as shared image data or global attributes that comprise the first and second job processing events. Hansen describes a system for providing production printing instructions, i.e., a job ticket for a printed end document to a job preparation station. The printed document is described as comprising a plurality of documents of different content and document formatting. Hansen converts the plurality of constituent documents into a ready-for-printer format and merges the plurality of documents together to a single document in the ready-for-printer typed format. Hansen is not unlike Applicant's cited reference to Salgado et al. '762 (application, page 5) with regard to the formation of a print job comprising a "composite job". Hansen calls it a "compound document". Hansen, col. 10, lines 45-50.

Hansen has no teaching with regard to multiple alternative renderings of the same job data, wherein the same job data is formatted differently to better accommodate the different needs of the job user. Keeping in mind the ultimate purpose of the subject application, i.e., the production of multiple distinct forms of a particular job without having to resubmit the job as a new and independent job for each of the distinct forms, Hansen lacks any teaching of a master job control ticket to effect the processing of the same job data in multiple renderings specifically defined in first, second or third job control tickets. The Examiner correctly notes that Hansen teaches a job defining job

ticket which can include global attributes for the plurality of documents comprising the composite job (e.g., common margins for the various documents being compounded in a book). However, there is no teaching that the global attributes should be included in a master job control ticket for multiple distinct renderings of the same job data. Each alternative rendering of the same job data would have to be treated as a new job having its own job ticket which has to be resubmitted for independent processing. Accordingly, the principal disadvantage in prior printing systems that is sought to be overcome in the embodiments of the subject application, i.e., a user having to resubmit any distinct renderings as a new job to the document processing, remains in the teachings of Hansen.

More particularly, Hansen describes the workflow management software for preparing and creating a print job for a compound document. Hansen exemplifies his compound document as a book comprised of the textual body of the book and photographs to be inserted at specific pages. Hansen, col. 4, lines 65-67. Such components of the compound document distinguishes different "documents of the job" that must be collected together. Such documents can be processed independently and can be represented by job tickets which are also suggested as being manipulatable such as by saving, storing and associating them with documents or compound documents. Hansen, col. 11, line 64- col. 12, line 30.

However, with particular reference to Figure 4 of Hansen, (the Examiner refers to this figure as disclosing documents to be printed in a job ticket wherein multiple renderings are disclosed. (The final rejections at pages 6 and 7)) this figure discloses print jobs displayed on an interface as distinguishable items, i.e., document 1, book 1,

document 4, book 2. These are different jobs comprised of different data and not ". . . a job, including a set of images represented by a set of image data that is processed multiple times and in multiple renderings, . . .", claim 1, lines 2-3. [To be fair, and dispute the Examiner's remark reference here, the Examiner later admits that Hansen ". . . does not expressly disclose there are multiple alternative renderings of the same set of image data.] (Final Office Action at page 8.) Accordingly, what is lacking from Hansen is multiple renderings of the same job data. Certainly, different jobs can have common formatting features and attributes which Hansen acknowledges in the industry are referred to as "global attributes" (Hansen, col. 12, line 2) but this is never identified as the same image data and is merely identified as formatting features. Note the description of "page tickets" at column 16, lines 37-46. Nowhere in Hansen is there a discussion of a job comprising either a document 1 or a book 1 or a book 2 that has to be rendered in different and alternative printing formats wherein the image data is stored and reused as job data for the different renderings. Note in application Figure 4, steps 264 and 266 there is a storage of (1) master ticket (2) job ticket(s) and (3) related image data and providing a link between (1), (2) and (3) as necessary in block 266.

In summary, Hansen discloses the type of prior art that Applicant acknowledges in his Background as conventional for generating compound documents with software workflow that is represented to the operator through a user interface so that the operator "can manage and prepare multiple different documents or jobs and keep everything organized in a simple and efficient manner." [Emphasis added] (Hansen, col. 16, line 27-29.)

Further to all the foregoing, Applicant and the Examiner agree that Hansen fails to disclose methods or systems for processing print jobs comprised of multiple alternative renderings of the same set of image data by applying same job data to first and second job processing events. Thus, Han was applied as a teaching reference to Hansen to support the rejection.

Han was first cited in the final rejection and so Applicant and the Examiner have not had much discussion concerning the statements of this reference. Applicant's proposal to file an after final amendment of October 31, 2007 was not entered. (page 1)

Han, although extremely short in its description of the embodiments, is not concerned with different renderings of the job data ("renderings" being distinct processing events of this "same image data" and global attributes but with individual attributes too.). Han never suggests that the data renderings are independently processed, only that different media is used for the printing of the same job. That is the exact same job formatted in the exact same way, just printed on different media, i.e., paper and a transparency. There are no distinctive individual job attributes between the mediums as both are the exact same image processing. There is no different processing events involved. Han fails to distinguish between different renderings associated with first and second job control tickets having first and second sets of attributes, respectively. As far as can be determined from the limited teachings of Han, the presentation mode instruction merely seems to adjust the print feeding unit to pull different media from a different drawer. There is no linking of individual job tickets under a master job control ticket.

A combination of Hansen and Han suggests a unit that has a printer feeding unit with multiple mediums wherein for the same job multiple mediums can be fed to the marking unit for printing. The combination still lacks the important feature of a master job control ticket representing the same job data wherein alternative renderings of the same job data are programmed by a user for different renderings including different individual ticket attributes and common global attributes, and wherein the master job control ticket links the individual first and second job control tickets in a manner so that the same job data applies to both the first and second job processing events, thereby avoiding multiple submissions of the job to document processing subsystems to accommodate the multiple renderings.

The Claims Define Nonobvious Subject Matter

Claim 1 recites an embodiment of a combination of programming first and second job control tickets for the same job wherein the first and second job control tickets control different first and second job processing events. As noted above, Hansen fails to teach programming first and second job control tickets for the same job to be processed as multiple renderings. In Hansen every job is an independent rendering, even if it were to involve the same job data in different formats. Accordingly, there is no need or suggestion or teaching of a master job control ticket to link the first and second job control tickets with the image data for the job so that with only one submission of the job-to-document processing subsystem the same job data can be applied to both the first and second job processing events. Further, the linking is described as the master job control ticket being linked with both user selectable global attributes and user selectable individual ticket attributes to the first and second job

control tickets wherein the global attributes comprise first properties of the first and second job control tickets and the individual attributes comprise second properties of a selected individual one of the first and second job control tickets. These limitations would never be needed and so are never suggested in either Hansen or Han individually or in combination. Whatever sharing of common attributes (i.e., margins, medium stock, etc.) may be pulled down into different jobs in the workflow management system of Hansen or done independently with reference to each job, are selected without reference to a master job control ticket for multiple renderings of the same job. The advantage provided by the subject embodiment of facilitating a user to specify multiple renderings of a job by programming a master job control ticket and the individual job ticket associated with the individual renderings is not suggested or taught in the references individually or in combination. The efficiencies in obtaining the multiple renderings with such a programming, and the single submission of the job data remain as an advantage evidencing patentability of the novel claim features of claim 1.

Similarly, independent claim 22 also requires a first and second job control tickets linked by a master job control ticket wherein the master job control ticket includes user selectable global attributes and user selectable individual ticket attributes defining the multiple alternative renderings of the same set of image data. A system wherein the global attributes are linked to the first and second job control tickets for affecting global properties of the first and second job control tickets and individual attributes are linked for affecting individual properties of a selected individual one of the tickets defines novel and nonobvious features over the teachings of the references individually and in combination.

Dependent claim 2 requires linking of first and second job control tickets with the master job ticket wherein the first and second user selectable portions are caused to be processed in the first job processing event and in the second job processing event, respectively. The combination of references suggest no linking of a job comprising multiple renderings defined by the individual job tickets representing each rendering by a master job ticket.

Dependent claim 3, depending from foregoing claim 2, adds to the limitation that the master ticket is provided with a third user selectable portion instructing the performance of a global operation in the first and second job processing events. Neither Hansen nor Han suggest a master job control ticket controlling multiple renderings wherein the master job control ticket identifies global attributes for the multiple renderings.

Dependent claim 4 adds the limitation of a method in which a third job control ticket controls the manner in which the job is to be processed in a third job processing event wherein the first, second and third job control tickets are linked with the master job control ticket.

Dependent claim 5 adds the step of editing at least one of the first or second job control tickets.

Dependent claim 6, depending from foregoing claim 5, limits the editing to include leaving the master job control ticket unaltered.

Dependent claim 7, also dependent from foregoing claim 5, adds that the editing includes changing one or both of the first and second sets of attributes.

Dependent claim 8, also dependent from foregoing claim 5, describes that the editing may comprise deleting the first job control ticket and the first user selectable portion.

Dependent claims 5-8 describe an editing process, the method of Hansen readily describes editing job tickets in its production printing workflow software, but the editing therein is not suggested as being relevant to a context of linked individual job control tickets and a master job control ticket for multiple job renderings. Accordingly, it is believed that claims 5-8 describe novel and nonobvious subject matter over the teachings of the cited references.

Dependent claim 9 describes the method of claim 1 as further including generating outputs of the set of images in both the first job processing event and the second job processing event.

Dependent claim 10 describes the method of claim 1 as further including performing processing operations on the set of images comprising the job image data in both the first and job processing events respectively.

Dependent claim 11 describes the method of claim 1 as further including performing make-ready operations on a copy of the set of images for both the first and second job processing events.

Dependent claim 12 describes the method of claim 1 as further comprising configuring the first and second job control tickets respectively include first and second type of offline finishing.

Dependent claim 13 which depends from foregoing claim 12, further describes the method as comprising creating a hardcopy sheet including a representation of one

or both of the at least one attribute corresponding with the first type of offline finishing and the at least one attribute corresponding with the second type of offline finishing.

Dependent claims 9-13 describe outputting image processing and offline finishing of the multiple renderings. To the extent that such claims depend on the novel combination of steps described in claim 1 above, it is believed that dependent claims 9-13 define novel and nonobvious subject matter over the teachings of the references individually and in combination.

Dependent claim 14 further describes the method of claim 1 as comprising linking the first and second job control tickets with the master job ticket including first and second selectable portions corresponding respectively with the first and second job control tickets so that when the first selectable portion is selected, and the second selectable portion is not selected, the job is processed in accordance with the first job control ticket but not in accordance with the second job control ticket. The cited reference fails to suggest a master job control ticket linking wherein when only a first selectable portion on the master job control ticket is selected, the job is processed only in accordance with the first job control ticket, and not the second job control ticket.

Dependent claim 23 recites the system of claim 22 further including a printing subsystem and claim 24 further limits the subsystem to a xerographic printing device. The novelty of these claims rest on the same arguments as the novelty and patentability of independent claim 22.

Dependent claim 25, depending from claim 1, specifies that the master job controls other master job control tickets. There is no teaching in the references of a

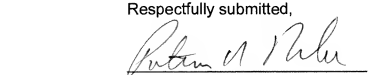
master job control ticket which in turn can control another master job control ticket which in turn can control individual job control tickets.

Dependent claim 27, depending from independent claim 22, limits the global and individual attribute selections in the master job control ticket to change only the attributes of the first and second job control tickets when used under that master job control ticket and do not change the attributes of the first and second job controls tickets globally such as when the tickets are used under another master job control ticket. Claim 27 defines a novel system wherein master job control tickets having global and individual attribute selections provide for freedom and convenience in implementing attributes of individual job control tickets without consequently changing another master job control ticket.

CONCLUSION

For all of the reasons discussed above, it is respectfully submitted that the rejections are in error and that claims 1-14, 22-25 and 27 are in condition for allowance. For all of the above reasons, Appellants respectfully request this Honorable Board to reverse the rejections of claims 1-14, 22-25 and 27.

Respectfully submitted,



Patrick R. Roche
Registration No. 29,580

PRR/ct

FAY SHARPE LLP
1100 Superior Avenue – Seventh Floor
Cleveland, Ohio 44114-2579
Telephone: (216) 861-5582

Filed: April 16, 2008

APPENDICES

VII. CLAIMS APPENDIX:

Claims involved in the Appeal are as follows:

1. In a document processing system with at least one document processing subsystem where a job, including a set of images represented by a set of image data, is processed multiple times and in multiple renderings, in response to input provided by a user, to obtain first and second job processing events of the job corresponding to the first and second renderings, respectively, a method comprising:

programming a first job control ticket with a first set of attributes, the first job control ticket controlling a manner in which the job is to be processed in the first job processing event;

programming a second job control ticket with a second set of attributes, the second job control ticket controlling a manner in which the job is to be processed in the second job processing event; linking a master job control ticket with user selectable global attributes and user selectable individual ticket attributes to the first and second job control tickets wherein the global attributes comprise first properties of the first and second job control tickets and the individual attributes comprise second properties of a selected individual one of the first and second job control tickets and wherein the first and second job processing events are based on the same set of image data;

linking the master job control ticket with the first and second job control tickets and the set of images so that, with one submission of the job to the document processing subsystem, the job is processed in the first job processing event with the first job control ticket and in the second job processing event with the second job control

ticket so that the same job data is applied to the first and second job processing events, wherein the job need not be submitted multiple times to the document processing subsystem to accommodate the multiple renderings.

2. The method of claim 1, further comprising linking the first and second job control tickets with a master job ticket including first and second user selectable portions corresponding respectively with the first and second job control tickets, wherein each first and second user selectable portions is selected to cause the job to be processed in the first job processing event with the first job control ticket and in the second job processing event with the second job control ticket.

3. The method of claim 2, further comprising providing the master ticket with a third user selectable portion, the third user selectable portion corresponding with an instruction, wherein when the user selects the third user selectable portion an operation is performed globally in each first and second job processing events.

4. The method of claim 1, in which a third job control ticket controlling a manner in which the job is to be processed in a third job processing event is programmed and the third job control ticket is referenced to the set of images, further comprising linking the first, second and third job control tickets with a master job control ticket including first, second and third user selectable portions corresponding respectively with the first, second and third job control tickets, wherein one or more of the first, second and third user selectable portions are selected to cause the job to be

processed in one or more of the first job processing event with the first job control ticket, the second job processing event with the second job control ticket and the third job processing event with the third job control ticket.

5. The method of claim 1, further comprising editing at least one of the first and second job control tickets.

6. The method of claim 5, wherein said editing includes leaving the master job control ticket unaltered.

7. The method of claim 5, wherein said editing includes changing one or both of the first and second sets of attributes

8. The method of claim 5, wherein said editing includes deleting both the first job control ticket and first user selectable portion.

9. The method of claim 1, wherein said method includes generating a first output by producing prints of the set of images in the first job processing event and generating a second output by producing prints of the set of images in the second job processing event.

10. The method of claim 1, wherein said method includes performing a first set of one or more image processing operations on a copy of the set of images in

the first job processing event and performing a second set of one or more image processing operations on a copy of the set of images in the second job processing event.

11. The method of claim 1, wherein said method includes performing a first set of make-ready operations on a copy of the set of images in the first job processing event and performing a second set of make-ready operations on a copy of the set of images in the second job processing event.

12. The method of claim 1, further comprising configuring the first and second job control tickets so that the first set of attributes includes at least one attribute corresponding with a first type of offline finishing and/or the second set of attributes includes at least one attribute corresponding with a second type of offline finishing.

13. The method of claim 12, further comprising creating a hardcopy sheet including representations of one or both of the at least one attribute corresponding with the first type of offline finishing and the at least one attribute corresponding with the second type of offline finishing.

14. The method of claim 1, further comprising linking the first and second job control tickets with a master job ticket including first and second selectable portions corresponding respectively with the first and second job control tickets, wherein the first selectable portion is selected, and the second selectable portion is not selected,

wherein the job is processed in accordance with the first job control ticket, but not in accordance with the second job control ticket.

15 - 21. (Cancelled)

22. In a document processing system with at least one document processing subsystem where a job, including a set of images represented by a set of image data, is processed multiple times and in multiple renderings, in response to input provided by a user, to obtain first and second job processing events of the job corresponding to first and second ones of the multiple renderings, a job ticket control system comprising:

a first job control ticket with a first set of attributes, the first job control ticket controlling a manner in which the job is to be processed in the first job processing event;

a second job control ticket with a second set of attributes, the second job control ticket controlling a manner in which the job is to be processed in the second job processing event;

a master job control ticket with user selectable global attributes and user selectable individual ticket attributes within the master job control ticket for multiple alternative renderings of the same set of image data, wherein the global attributes are linked to the first and second job control tickets for affecting global properties of the first and second job control tickets and individual attributes are linked for affecting individual properties of a selected individual one of the tickets;

the master job control ticket, the first job control ticket, and second job control ticket being linked with the set of images; and

wherein, in response to a single submission of the job to the document processing subsystem, the job is processed in the first job processing event with the first job control ticket and in the second job processing event with the second job control ticket based on the same set of image data, wherein the job need not be submitted multiple times to the document processing subsystem to accommodate the multiple renderings.

23. The job ticket control system of claim 22, wherein the document processing system includes a printing subsystem.

24. The job ticket control system of claim 23, wherein said printing subsystem includes a xerographic printing device.

25. The method of claim 1, wherein the master job control controls other master job control tickets and individual job control tickets, and wherein the lower level master job control tickets may include individual job control tickets and master job control tickets.

26. (Cancelled)

27. The method of claim 22, wherein the global and individual attribute selections in the master job control ticket only change the attributes of the first and second job control tickets when used under that master job control ticket and do not change the attributes of the first and second job control tickets globally such as when the tickets are used under another master job control ticket.

VIII. EVIDENCE APPENDIX

NONE

IX. RELATED PROCEEDINGS APPENDIX

NONE